

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-636 REV. K OR LATER APPROVED REVISIONS AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-636 REV. 4 OR LATER APPROVED REVISIONS

REF. FAA STC: SR00646SE
REF. TCCA STC: SH99-7
REF. EASA STC: 10033942
REF. BRAZIL STC: 2009S05-01

1.0 PURPOSE

The wearshoe assemblies on D350-636-011/-012/-013/-014 Skidtubes at CHG 008 (and later) have been modified to improve durability. Gaskets have been replaced with a textured coating factory applied directly on the wearshoes.

The purpose of this service instruction is to provide replacement instructions for wearshoes installed on D350-636-011/-012/-013/-014 Skidtubes at CHG 007 and earlier.

It is recommended that all customers replacing any previous model standard wearplate remove all wearplates and gaskets and install a D350-636-049 Wearplate Kit, which includes the textured coating, per the instructions below. For customers with CHG 002 and CHG 003 skidtubes, the D350-636-049 Wearplate Kit includes additional hardware required for the conversion.

2.0 INSTALLATION OF REPLACEMENT WEARSHOES

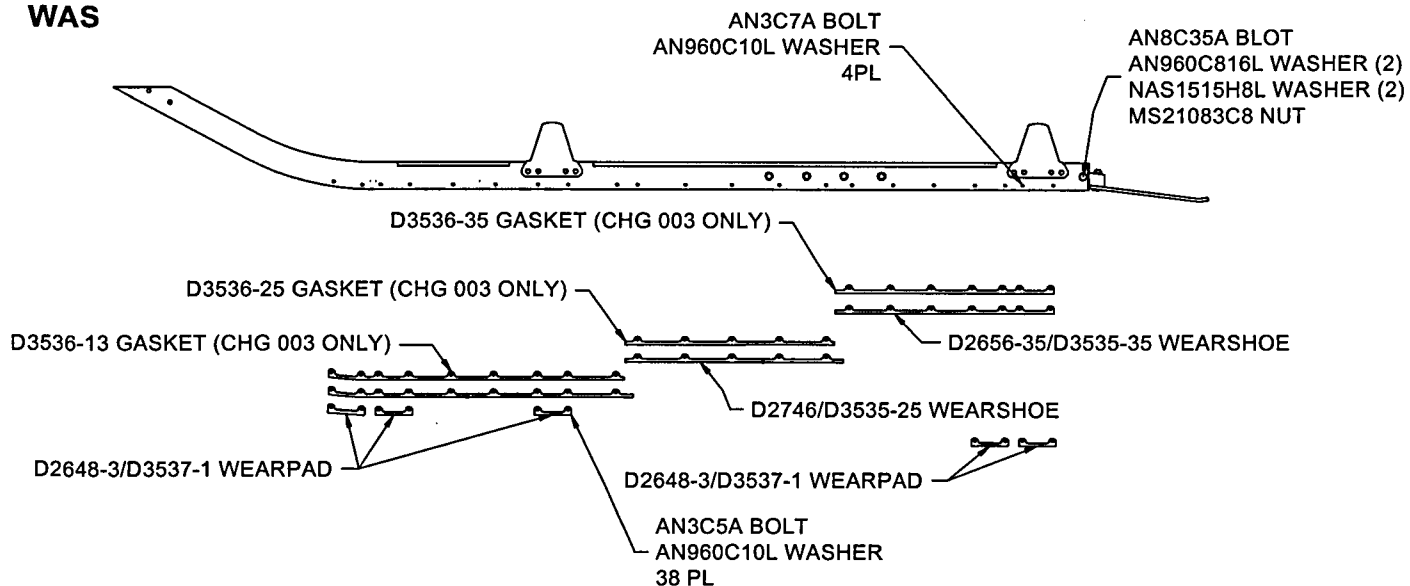
2.1 D350-636-011/-012/-013/-014 Skidtubes at CHG 002/CHG 003 or earlier

To install the D350-636-049 kit, first remove and discard the existing wearshoes/gaskets beginning from the forward end. Remove any remaining sealant on the skidtubes. Install new wearshoes beginning from the aft end of the skidtube and working towards the forward end of the skidtube as shown in Figure 1. Plug unused holes with AN526C1032RXX screws and D3672-1 washers as shown in Figure 1. All bolts and screws should be sealed with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant before installing.

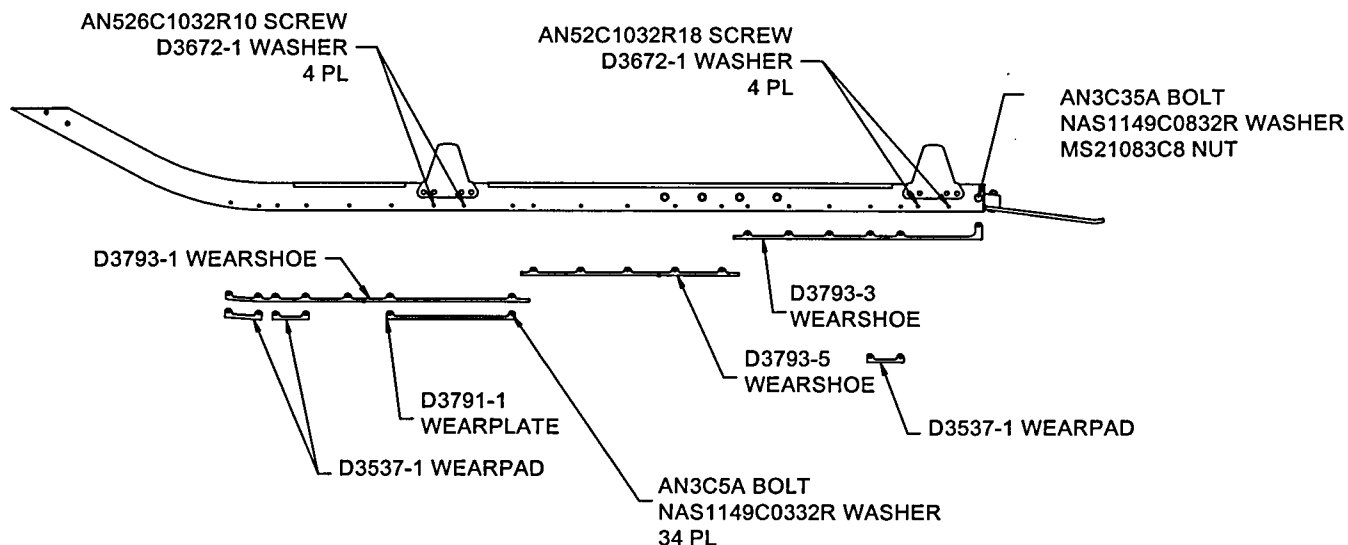
Note: Some of the previously installed hardware is no longer required.

APPROVED	A	NEW ISSUE	MW	18.05.17
	REV.	DESCRIPTION	BY	DATE
	DESIGN	MW	DART AEROSPACE USA, INC EUGENE, OR	
	DRAWN	MW		
	CHECKED	ZF	DRAWING NO.	REV. A
	MFG. APPR.	N/A	DSI 9802	SHEET 1 OF 4
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	DE APPR.	DS	WEARSHOE INSTALLATION	NTS
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**FIGURE 1 : WEARSHOE MODIFICATION FOR CHG 002-CHG 003 SKIDTUBES
(FLOAT HOLES NOT SHOWN)**

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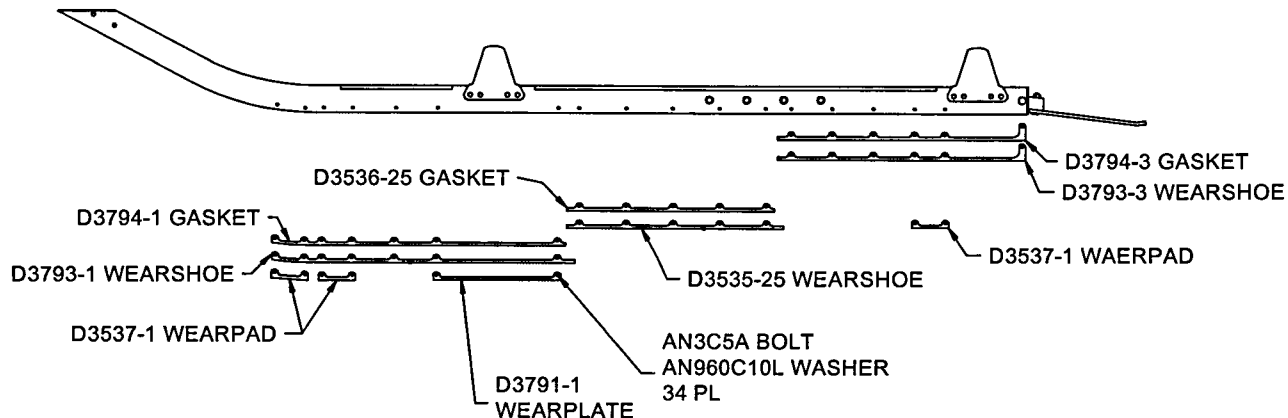
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MFG. APPR.	N/A	DSI 9802	SHEET 2 OF 4
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2.2 D350-636-011/-012/-013/-014 Skidtubes at CHG 004 - CHG 007

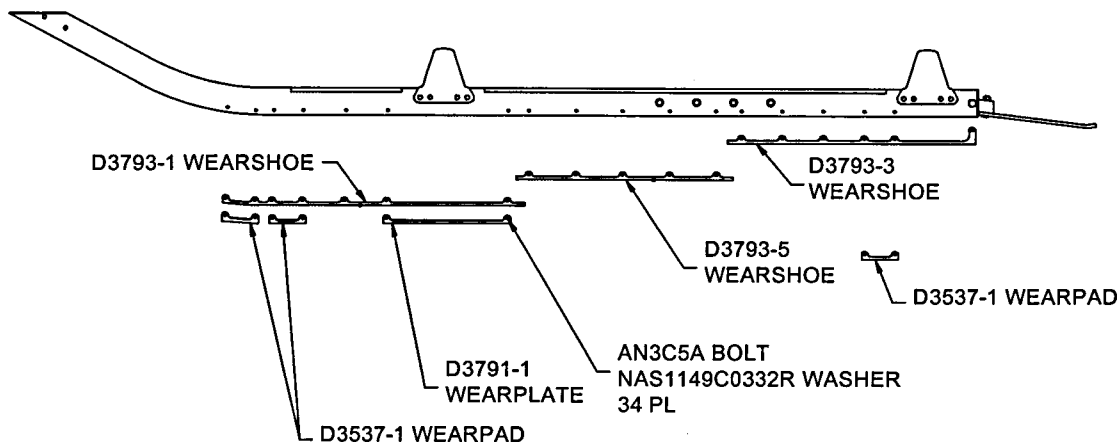
To install the D350-636-049 Kit, remove and discard the existing wearshoes/gaskets and install new wearshoes beginning from the aft end of the skidtube and working towards the forward end of the skidtube as shown in Figure 2. All bolts should be sealed with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant before installing.

Note: Some of the hardware in D350-636-049 kit is not required for this installation.

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**FIGURE 2: WEARSHOE MODIFICATION FOR CHG 004-CHG 007 SKIDTUBES
(FLOAT HOLES NOT SHOWN)**

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3.0 PART LIST

Qty -049	Part Number	Description
X	D350-636-049	WEARSHOE KIT
3	D3537-1	WEARPAD
1	D3791-1	WEARPLATE
1	D3793-1	WEARSHOE
1	D3793-3	WEARSHOE
1	D3793-5	WEARSHOE
34	AN3C5A	BOLT
34	NAS1149C0332R	WASHER
34	ALS4-1032-225	INSERT
8	D3672-1	WASHER
4	AN526C1032R10	SCREW
4	AN526C1032R18	SCREW

4.0 MAINTENANCE

Inspect and maintain per ICA-D350-636 Section 5 and 32.3 for the D350-636-011/-012/-013/-014 skidtubes at CHG 008.

5.0 WEIGHT AND BALANCE

The following updated weight and balance information is for the D350-636-011/-012/-013/-014 Skidtubes with the D350-636-049 wearplate kits installed.

Installation	Weight	LONGITUDINAL		LATERAL (STD GEAR)		LATERAL (HIGH GEAR)	
		Arm	Moment	Arm	Moment	Arm	Moment
D350-636-011/-013 LH SKIDTUBE, FLOAT COMPATIBLE	29.7 lb 13.5 kg	128.6 in 3.27 m	3819 in-lb 44.1 m-kg	-39.3 in -1.00 m	-1167 in-lb -13.5 m-kg	-41.3 in -1.05 m	-1227 in-lb -14.2 m-kg
D350-636-012/-014 RH SKIDTUBE, FLOAT COMPATIBLE	29.7 lb 13.5 kg	128.6 in 3.27 m	3819 in-lb 44.1 m-kg	+39.3 in +1.00 m	+1167 in-lb +13.5 m-kg	+41.3 in +1.05 m	+1227 in-lb +14.2 m-kg

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DESIGN	MW
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CHECKED	ZF
MFG. APPR.	N/A
APPROVED	NO
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DATE	18.05.17

DART AEROSPACE USA, INC
EUGENE, OR

DRAWING NO.
DSI 9802

REV. A

SHEET 4 OF 4

TITLE

WEARSHOE INSTALLATION

SCALE

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